WHAT IS CLAIMED IS:

1. A resin composition for ink jet recording, which comprises: (1) a major component of a water-absorbing polymer compound represented by the formula (1), and (2) a cationic polymer compound

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in the formula (1), "A" consists of:

and

with a manner of linkage therebetween

being:

$$-\left(\text{CH}_{2}\text{CH}_{2}\text{O}\right)_{m}\left(\text{CH}_{2}\text{CHO}\right)_{n}\left(\text{CH}_{2}\text{CH}_{2}\text{O}\right)_{p}$$

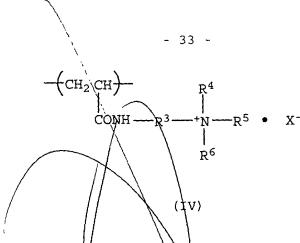
wherein m, n, and p represent integer numbers greater than or equal to 1. Additionally, a weight ratio that is calculated on the basis of each of the recurrence numbers m, n, and p is predeter-the unit of the alkylene oxide having more than or equal to four carbon atoms) x n = 94/6 - 80/20, while the weight ratio that is calculated on the basis of each of the recurrence numbers m and p, p/(m + p) should be predetermined to be more than or equal to 50 percent by\weight. Y represents hydrocarbon group having more than or equal to two carbon atoms. Further, X1 represents a residue of an organic compound having two active hydrogen groups, and R¹ represents a residue of a dicarboxylic acid compound.

2. The resin composition for ink jet recording sheet according to claim 1, wherein the cationic polymer compound (2) is a cationic polymer compound having a weight average molecular weight ranging between 1,000 and 50,000 with a linear and irregular arrangement, comprising 65 mol% to 99 mol% of an ethylene structural unit represented by the following formula (II), less than or equal to 15 mol% of an acrylate structural unit represented by the following formula (III), and 1 mol% to 35 mol% of an acrylamide structural unit represented by the following formula (IV):

 $-(CH_2 CH_2)$ $-(CH_2 CH_2)$ $-(CH_2 CH_2)$ $-(CH_2 CH_2)$

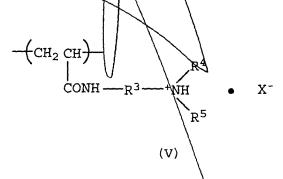
(III)

wherein R^2 represents an alkyl group having 1-4 carbon atoms



wherein R³ represents an alkylene group having 2-8 carbon atoms; R⁴ and R⁵, respectively, represent an alkyl group having 1-4 carbon atoms; R⁶ represents an alkyl group having 1-12 carbon atoms, an aryl alkyl group having 7-12 carbon atoms, or an alicyclic alkyl group having 6-12 carbon atoms; and X⁻ represents a halogen ion, CH₃OSO₃⁻ or C₂H₅OSO₃-.

3. The resin composition for ink jet recording sheet according to claim 1, wherein the cationic polymer compound (2) is a cationic polymer compound having a weight average molecular weight ranging between 1,000 and 50,000 with a linear and irregular arrangement, comprising 65 mol% to 99 mol% of an ethylene structural unit represented by the above formula (II), less than or equal to 15 mol% of an acrylate structural unit represented by the above formula (III), and 1 mol% to 35 mol% of an acrylamide structural unit represented by the following formula (V):



wherein R^3 represents an alkylene group having 2-8 carbon atoms; R^4 and R^5 , respectively, represent an alkyl group having 1-4 carbon atoms; and X represents a halogen ion, CH_3OSO_3 or $C_2H_5OSO_3$.

4. The resin composition for ink jet recording sheet according to any of claims 1 to 3, wherein mixing ratio by weight of the water-absorbing polymer compound (1) and the cationic polymer compound (2) is ranging between 50/50 and 99/1.

- 5. The resin composition for ink jet recording sheet according to any of claims 1 to 4, further comprising (3) a cationic or nonionic surface active agent.
- 6. The resin composition for ink jet recording sheet according to claim 5, wherein an amount of the cationic or nonionic surface active agent (3) to be contained is from 1% by weight to 10% by weight.
- 7. An ind jet recording sheet comprising a substrate layer and an ink-receiving layer that is overlaid said substrate layer, wherein said ink-receiving layer comprises the resin composition according to any of claims 1 to 6.
- 8. A method for ink jet recording in which the ink jet recording sheet according to claim 7 is used, comprising the step of adsorbing small droplets of water-based color ink through discharging to the ink-receiving layer.
- 9. A method for producing an ink jet recording sheet comprising the steps of extruding a resin composition that constitutes a substrate layer into a sheet form, while extruding the resin composition for ink jet recording sheet according to any of claims 1 to 6 into a sheet form concurrently with the substrate layer, and forming layers from both of said resin compositions.

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